

Title (en)  
HIGH MELT FLOW PEAK COMPOSITIONS

Title (de)  
POLY(ARYL ETHER KETON) (PAEK) ZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITIONS POLY(ARYL ETHER CÉTONES) (PAEK)

Publication  
**EP 2892957 B1 20160601 (EN)**

Application  
**EP 13756490 A 20130904**

Priority  

- US 201261696546 P 20120904
- EP 12194429 A 20121127
- EP 2013068242 W 20130904
- EP 13756490 A 20130904

Abstract (en)  
[origin: WO2014037375A1] A composition [composition (C)] comprising : - from 0.1 to 99.8 % by weight (wt. %) of at least one poly(aryl ether ketone) polymer having a melt flow rate (MFR) equal to or higher than 8 g/10 min at 400°C and under a load of 2.16 kg, as measured in accordance with ASTM method D1238 [(PAEKHMF) polymer], - from 0.1 to 30 wt. % of at least one poly(tetrafluoroethylene) polymer having a D50 particle size equal to or below 10 µm, and having a melting temperature equal to or below 324°C [(PTFE) polymer], and - from 0.1 to 30 % wt. % of at least one carbon fiber, and wherein all % are based on the total weight of the composition (C).

IPC 8 full level  
**C08L 71/00** (2006.01); **B29C 48/00** (2019.01)

CPC (source: EP US)  
**B29C 39/00** (2013.01 - US); **B29C 43/00** (2013.01 - US); **B29C 44/00** (2013.01 - US); **B29C 45/00** (2013.01 - US); **B29C 48/00** (2019.01 - EP US); **B29C 49/00** (2013.01 - US); **C08K 7/06** (2013.01 - EP US); **C08L 27/18** (2013.01 - EP US); **C08L 71/00** (2013.01 - EP US); **C09D 161/16** (2013.01 - US); **B29K 2027/18** (2013.01 - EP US); **B29K 2061/00** (2013.01 - EP US); **B29K 2071/00** (2013.01 - EP US); **B29K 2307/04** (2013.01 - EP US); **C08G 2650/40** (2013.01 - EP US)

Cited by  
EP3339386A1; EP3904735A4; US11008492B2; WO2018115490A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2014037375 A1 20140313**; CN 104769040 A 20150708; CN 104769040 B 20170804; EP 2892957 A1 20150715; EP 2892957 B1 20160601; JP 2015529730 A 20151008; JP 6480328 B2 20190306; KR 102150906 B1 20200902; KR 20150052858 A 20150514; US 10557057 B2 20200211; US 2015203712 A1 20150723

DOCDB simple family (application)  
**EP 2013068242 W 20130904**; CN 201380057600 A 20130904; EP 13756490 A 20130904; JP 2015529069 A 20130904; KR 20157008258 A 20130904; US 201314425389 A 20130904